Applicant   : Shah et al.   Attorney's Docket No.: 10559-419001/P10488
Serial No. : 09/768,375   Intel Corporation
Filed   : January 22, 2001

Amendment to the Claims:

This listing of claims replaces all prior versions, and
listings, of claims in the application:

1. (currently amended)   A method comprising:

examining a call and a file descriptor associated with the
call in an application node of a system area network, the call
corresponding to an application program interface for a first
transport-layer connection-oriented protocol; and

if the call and the file descriptor are of a first type,
translating the call to one or more protocol messages recognized
by a second node in the system area network, the one or more
protocol messages being defined by a second transport-layer
connection-oriented protocol, and communicating the one or more
protocol messages to the second node for processing according to
the first transport-layer connection-oriented protocol;
wherein the first type comprises transport, being of a
partition of a file descriptor range.

2. (original)   The method of claim 1 including processing
the call using an operating system of the application node if
the call and the file descriptor are of a second type.

3. (original)   The method of claim 1 including assigning
the file descriptor using an operating system of the application
node.

4. (previously presented)   The method of claim 1
including mapping a communications identifier, received in the
application node from the second node and corresponding to a

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network connection managed by the second node, to the file descriptor.

> 5. (currently amended)   A system area network comprising:
>
> a first node; and
>
> an application node including a processor configured for:
>
> examining a call and a file descriptor associated with a call in the application node, the call corresponding to an application program interface for a first transport-layer connection-oriented protocol; and
>
> if the call and the file descriptor are of a first type, translating the call to one or more protocol messages recognized by the first node for processing according to the first transport-layer connection-oriented protocol, the one or more protocol messages being defined by a second transport-layer connection-oriented protocol;
>
> wherein the first type comprises transport, being of a partition of a file descriptor range.

6. (original)   The system area network of claim 5 further including a network node, wherein the first node is a proxy node including a processor configured for translating the call to a protocol recognized by the network node.

7. (original)   The system area network of claim 5 wherein the processor is further configured for translating a call to a lightweight protocol message.

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8. (original) The system area network of claim 5 wherein
the processor is further configured for translating a plurality
of calls to a single lightweight protocol message.

9. (original) The system area network of claim 5 wherein
the processor is further configured for translating the call to
a plurality of lightweight protocol messages.

10. (original) The system area network of claim 5 wherein
the processor is configured for translating the call to a
lightweight protocol message using a lightweight protocol
message received from the first node.

11. (original) The system area network of claim 5 wherein
the processor is further configured for translating more than
one call to a lightweight protocol message using a lightweight
protocol message received from the first node.

12. (original) The system area network of claim 5 wherein
the processor is further configured for translating the call to
a lightweight protocol message using a plurality of lightweight
protocol messages received from the first node.

13. (original) The system area network of claim 5 wherein
the application node includes an operating system for processing
the call if the file descriptor is of a second type.

14. (original) The system area network of claim 5 wherein
the application node further includes an operating system for
assigning the file descriptor.

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15. (previously presented)   The system area network of
claim 5 wherein the processor is further configured for mapping
a communications identifier, received in the application node
and corresponding to a network connection managed by the first
node, to the file descriptor.

16. (currently amended)   An apparatus comprising:
        a port for connecting the apparatus to a system area
network; and
        a processor configured for:
    examining a call and a file descriptor associated with the
call, the call corresponding to an application program interface
for a first transport-layer connection-oriented protocol; and
        if the call and the file descriptor are of a first
type, translating the call to one or more protocol messages
recognized by a system area network device, the one or more
protocol messages being defined by a second transport-layer
connection-oriented protocol, and sending the one or more
protocol messages through the port addressed to the system area
network device for processing according to the first transport-
layer connection-oriented protocol;
        wherein the first type comprises transport, being of a
partition of a file descriptor range.

17. (original) The apparatus of claim 16 further comprising
an operating system for processing the call if the call and the
file descriptor are of a second type.

18. (original) The apparatus of claim 16 further comprising
an operating system for assigning the file descriptor.

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19. (previously presented)   The apparatus of claim 16
wherein the processor is further configured for mapping a
communications identifier, received at the apparatus and
corresponding to a network connection managed by the system area
network device, to the file descriptor.

20. (currently amended) An article comprising a computer-
readable medium that stores computer executable instructions for
causing a computer system to:

    examine a call and a file descriptor associated with a call
in an application node of a system area network, the call
corresponding to an application program interface for a first
transport-layer connection-oriented protocol; and

    if the call and the file descriptor are of a first type,
translate the call to one or more protocol messages recognized
by a second node in the system area network, the one or more
protocol messages being defined by a second transport-layer
connection-oriented protocol, and send the one or more protocol
messages to the second node for processing according to the
first transport-layer connection-oriented protocol;

    <u>wherein the first type comprises transport, being of a</u>
<u>partition of a file descriptor range</u>.

21. (original) The article of claim 20 further comprising
instructions for causing the computer system to process the call
using an operating system in the application node.

22. (original) The article of claim 20 further comprising
instructions for causing the computer system to assign the file
descriptor using an operating system of the application node,

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    23. (previously presented)   The article of claim 20
further comprising instructions for causing the computer system
to map a communications identifier, received in the application
node and corresponding to a network connection managed by the
second node, to the file descriptor.

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